

# ISS FACTS

## **READY TO LAUNCH**

There are about 107,000 pounds, or 54 tons, of hardware ready to be launched from Kennedy Space Center to the Space Station.

### **COMPONENTS IN THE SPACE STATION PROCESSING FACILITY (SSPF) READY FOR LAUNCH:**

P3/P4 Integrated Truss Segment (ITS) - ISS Flight 12A = 34,775 lbs

P5 Truss - ISS Flight 12A.1 = about 3,990 lbs

S3/S4 ITS - ISS Flight 13A = about 33,500 lbs

S5 ITS - ISS Flight 13A.1 = about 4,000 lbs

S6 ITS - ISS Flight 15A = about 30,650 lbs

### **U.S. SCIENCE FACILITIES READY FOR LAUNCH:**

Window Observational Research Facility (WORF)

Minus Eighty-Degree Laboratory Freezer for ISS (MELFI)

Human Research Facility-2 (HRF-2)

Three EXPRESS (Expedite the Processing of Payload Racks to Space Station)

SPACEDRUMS

### **OTHER COMPONENTS IN THE SSPF (NOT QUITE READY FOR LAUNCH):**

Node2 - ISS Flight 10A = about 28,000 lbs

Kibo, Japanese Experiment Module-Pressurized Module - ISS Flight 1J = about 33,000 lbs

## **BETWEEN NOW AND INTERNATIONAL CORE COMPLETE**

The volume and mass of the Station will more than double.

The number of science facilities on Station will more than triple.

The percentage of total power dedicated to research will increase by 84%.

The sunlight-gathering, solar array area will be three times as large.

83 more spacewalks will be conducted for Space Station assembly.

## **THE INTERNATIONAL SPACE STATION CURRENTLY**

Weights almost 400,000 pounds.

Is about the size of a three-bedroom house inside.

Has about 9,000 square feet of sunlight-gathering, power-generating solar arrays.

Houses seven research facilities inside the U.S. Destiny Laboratory.

Has facilitated the initiation of 70 different U.S. experiments spanning a wide range of scientific disciplines.

Is the product of the cooperation between 16 different nations.

AND...

Is home to Expedition 7 Commander Yuri Malenchenko and NASA ISS Science Officer Ed Lu.